

ABSTRACT

Provided are a semi-transmitting and semi-reflecting electrode substrate provided with a transparent conductive layer which is almost free from the generation of residues caused by etching and is resistant to an etchant for a metal reflecting layer (metal layer), a method of producing the semi-transmitting and semi-reflecting electrode substrate and a liquid crystal display device using the semi-transmitting and semi-reflecting electrode substrate. Specifically, the invention relates a semi-transmitting and semi-reflecting electrode substrate comprising a transparent substrate, a transparent conductive layer which is disposed on the transparent substrate and contains indium oxide as its major component and further one or two or more oxides selected from tungsten oxide, molybdenum oxide and niobium oxide and a metal reflecting layer which is disposed on the transparent substrate, reflects extraneous light and is connected with the transparent conductive layer, to a method producing the semi-transmitting and semi-reflecting electrode substrate and to a liquid crystal display device using the semi-transmitting and semi-reflecting electrode substrate. This semi-transmitting and semi-reflecting electrode substrate is almost free from the generation of residues, has high processability and improves the yield.

Fig. 1

Source/drain takeout part

Reflecting portion

Transmitting portion

Gate wiring drawing portion.